

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent application of:

|                     |   |           |
|---------------------|---|-----------|
| Applicant:          | Lucy M. MacGregor et al.                                |           |
| Application No.:    | 10/554,236  | C/N: 7953 |
| Filing Date:        | October 20, 2005  |           |
| Title:              | ELECTROMAGNETIC SURVEYING FOR HYDROCARBON<br>RESERVOIRS |           |
| Examiner:           | Reena Aurora  |           |
| Art Unit:           | 2862  |           |
| Attorney Docket No. | DYOUNG0300US  |           |

**SECOND PRELIMINARY AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please amend the application in accordance with the following appended parts:

Amendments to the Claims  
Remarks

Enclosures: ☒ Credit Card Payment  
                  ☐ Petition for Extension of Time  
                  ☐ Information Disclosure Statement

In the event any fee or additional fee is due in connection with the filing of this paper, the Commissioner is authorized to charge those fees to our Deposit Account No. 18-0988 (under the above Docket Number). In the event an extension of time is needed to make the filing of this paper timely and no separate petition is attached, please consider this a petition for the requisite extension and charge the fee to our Deposit Account No. 18-0988 (under the above Docket Number).